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APPLICANT : DAIDO STEEL CO LTD;

INVENTOR : KIMURA YASUHIRO;

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TITLE : CONVEYING ROLL

ABSTRACT : PURPOSE: To provide a hot-run table roller having excellent durability obtained by applying surface hardening treatment to a roll having a surface layer part comprising containing C, Si, Mn, Cr, No, V in Fe in a specific ratio.

CONSTITUTION: A surface layer pipe is prepared from a molten metal having a composition comprising 0.40~1.0% C, 0.20~2.0% Si, 0.30~1.50% Mn, 7.0~ 15.0% Cr, 0.20~3.0% Mo, 0.10~1.5% V and the remainder of substantial Fe by a centrifugal casting method. Subsequently, a core member is inserted into a hollow part of said surface layer pipe to be integrated therewith and, thereby, a conveying roll is produced. To the surface layer part, surface hardening treatment such as flame hardening or high frequency tempering is applied. Thereby, a roll with reduced abrasion loss and reduced formation of tempering defects is obtained.

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